

Interview guide – walking interview (unstructured), taken together with **questionnaire (Q-1)** during first visit to participants' residencies, to obtain basic information about household practices from key respondent (and other householders if available).

1. Introduction

- a. Remind the interviewee of what is going to happen, if they are still happy to give a tour of the residence and discuss the everyday activities that go on in different rooms / areas.
- b. Remind that the interview is confidential, that the interviewee does not have to answer questions that are uncomfortable, does not have to include a room or area they deem off limits / too private, and do not have to explain any such choices.
- c. Remind that asking for a pause or withdrawing is OK at any time without further explanation.
- d. Ask permission to record the interview and give a clear sign when the interview recording has started.
- e. Give the interviewee the leading role of guiding the researcher through the residence in any order they prefer to do so.

2. Walking tour of the residence

(The following points are guides for the researcher, not actual questions)

- a. General considerations guiding the researcher:
 - a.1 The interviews should be open ended in the sense that they should be structured along the lines of how each interviewee prefers to conduct the tour of their residence.
 - a.2 The researcher will have had informal discussions with each interviewee beforehand, elaborating various aspects of the project, what participating entails and what the walking interview is all about. Informal discussions aim to get out in the open any questions and concerns, and engage participants to give it some thought in advance, how they want to guide a walking interview at their residence.
 - a.3 Allow the interviewee to handle the tour and avoid interrupting as much as possible. If the interviewee seems rather quiet, then try use minor non-intrusive probes (verbal or gestural) to encourage and open up the talk.
 - a.4 Generally use questions or comments that encourage interviewees to walk the researcher, through typical everyday routines.
- b. Things that should be covered on visits into different rooms / areas:
 - b.1 what do household members do in this room / area?
 - b.2 how much physical (in)activity and (non)interaction takes place in this room / area?
 - b.3 how is this place used at different times of the day / night?
 - b.4 which members use the place and when?
 - b.5 do member do things together or individually (e.g. eat, cook, TV, clean)?
 - b.6 how is the place negotiated (access, device use)?
 - b.7 how are devices used, by whom, times of day / night?
 - b.8 how are shared devices negotiated (e.g., stove, TV, washing machine)?
 - b.9 are certain activities likely to effect measurable changes (heat, noise, energy, etc)?
 - b.10 where would it be ideal to fit an energy sensor?
 - b.11 where would it be ideal to fit a sensor suite (temp, humidity, noise, range, particles)?
 - b.12 when can these sensor installations take place?